

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/809,176 A  
Source: FWO  
Date Processed by STIC: 12/1/04

**ENTERED**



IFWO

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/809,176A

DATE: 12/01/2004

TIME: 15:19:58

Input Set : A:\2003-002-FF-US-sq.txt  
 Output Set: N:\CRF4\12012004\J809176A.raw

3 <110> APPLICANT: AKZO Nobel NV  
 5 <120> TITLE OF INVENTION: An infectious bursal disease virus (IBDV) mutant expressing  
 virus  
 6       neutralising epitopes specific for classic- and variant IBDV  
 7       strains  
 9 <130> FILE REFERENCE: 2003-002-FF-US  
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/809,176A  
 C--> 11 <141> CURRENT FILING DATE: 2004-03-24  
 11 <160> NUMBER OF SEQ ID NOS: 37  
 13 <170> SOFTWARE: PatentIn version 3.2  
 15 <210> SEQ ID NO: 1  
 16 <211> LENGTH: 6  
 17 <212> TYPE: PRT  
 18 <213> ORGANISM: Artificial  
 20 <220> FEATURE:  
 21 <223> OTHER INFORMATION: Mutant of classic IBDV  
 23 <400> SEQUENCE: 1  
 25 Gly Gly Gln Ala Gly Asp  
 26 1               5  
 29 <210> SEQ ID NO: 2  
 30 <211> LENGTH: 6  
 31 <212> TYPE: PRT  
 32 <213> ORGANISM: Artificial  
 34 <220> FEATURE:  
 35 <223> OTHER INFORMATION: Mutant of classic IBDV  
 37 <400> SEQUENCE: 2  
 39 Gly Gly Gln Ala Gly Glu  
 40 1               5  
 43 <210> SEQ ID NO: 3  
 44 <211> LENGTH: 6  
 45 <212> TYPE: PRT  
 46 <213> ORGANISM: Artificial  
 48 <220> FEATURE:  
 49 <223> OTHER INFORMATION: Mutant of classic IBDV  
 51 <400> SEQUENCE: 3  
 53 Asp Gly Gln Ala Gly Asp  
 54 1               5  
 57 <210> SEQ ID NO: 4  
 58 <211> LENGTH: 6  
 59 <212> TYPE: PRT  
 60 <213> ORGANISM: Artificial  
 62 <220> FEATURE:  
 63 <223> OTHER INFORMATION: Mutant of classic IBDV  
 65 <400> SEQUENCE: 4

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67 Asp Gly Gln Ala Gly Glu  
68 1 5  
71 <210> SEQ ID NO: 5  
72 <211> LENGTH: 6  
73 <212> TYPE: PRT  
74 <213> ORGANISM: Artificial  
76 <220> FEATURE:  
77 <223> OTHER INFORMATION: Mutant of classic IBDV  
79 <400> SEQUENCE: 5  
81 Asn Gly Gln Ala Gly Glu  
82 1 5  
85 <210> SEQ ID NO: 6  
86 <211> LENGTH: 6  
87 <212> TYPE: PRT  
88 <213> ORGANISM: Artificial  
90 <220> FEATURE:  
91 <223> OTHER INFORMATION: Mutant of classic IBDV  
93 <400> SEQUENCE: 6  
95 Gly Gly Gln Glu Gly Asp  
96 1 5  
99 <210> SEQ ID NO: 7  
100 <211> LENGTH: 6  
101 <212> TYPE: PRT  
102 <213> ORGANISM: Artificial  
104 <220> FEATURE:  
105 <223> OTHER INFORMATION: Mutant of classic IBDV  
107 <400> SEQUENCE: 7  
109 Asp Gly Gln Glu Gly Asp  
110 1 5  
113 <210> SEQ ID NO: 8  
114 <211> LENGTH: 6  
115 <212> TYPE: PRT  
116 <213> ORGANISM: Artificial  
118 <220> FEATURE:  
119 <223> OTHER INFORMATION: Mutant of classic IBDV  
121 <400> SEQUENCE: 8  
123 Asn Gly Gln Glu Gly Asp  
124 1 5  
127 <210> SEQ ID NO: 9  
128 <211> LENGTH: 6  
129 <212> TYPE: PRT  
130 <213> ORGANISM: Artificial  
132 <220> FEATURE:  
133 <223> OTHER INFORMATION: Mutant of classic IBDV  
135 <400> SEQUENCE: 9  
137 Asn Gly Gln Glu Gly Glu  
138 1 5  
141 <210> SEQ ID NO: 10  
142 <211> LENGTH: 6

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Input Set : A:\2003-002-FF-US-sq.txt  
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143 <212> TYPE: PRT  
144 <213> ORGANISM: Artificial  
146 <220> FEATURE:  
147 <223> OTHER INFORMATION: Mutant of classic IBDV  
149 <400> SEQUENCE: 10  
151 Gly Gly Gln Ala Gly Asp  
152 1 5  
155 <210> SEQ ID NO: 11  
156 <211> LENGTH: 6  
157 <212> TYPE: PRT  
158 <213> ORGANISM: Artificial  
160 <220> FEATURE:  
161 <223> OTHER INFORMATION: Mutant of classic IBDV  
163 <400> SEQUENCE: 11  
165 Gly Gly Gln Ala Gly Glu  
166 1 5  
169 <210> SEQ ID NO: 12  
170 <211> LENGTH: 6  
171 <212> TYPE: PRT  
172 <213> ORGANISM: Artificial  
174 <220> FEATURE:  
175 <223> OTHER INFORMATION: Mutant of classic IBDV  
177 <400> SEQUENCE: 12  
179 Asp Gly Gln Ala Gly Asp  
180 1 5  
183 <210> SEQ ID NO: 13  
184 <211> LENGTH: 6  
185 <212> TYPE: PRT  
186 <213> ORGANISM: Artificial  
188 <220> FEATURE:  
189 <223> OTHER INFORMATION: mutant of pD78A  
191 <400> SEQUENCE: 13  
193 Asp Gly Gln Ala Gly Glu  
194 1 5  
197 <210> SEQ ID NO: 14  
198 <211> LENGTH: 6  
199 <212> TYPE: PRT  
200 <213> ORGANISM: Artificial  
202 <220> FEATURE:  
203 <223> OTHER INFORMATION: Mutant of classic IBDV  
205 <400> SEQUENCE: 14  
207 Asp Gly Gln Glu Gly Asp  
208 1 5  
211 <210> SEQ ID NO: 15  
212 <211> LENGTH: 6  
213 <212> TYPE: PRT  
214 <213> ORGANISM: Artificial  
216 <220> FEATURE:  
217 <223> OTHER INFORMATION: Mutant of classic IBDV

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Input Set : A:\2003-002-FF-US-sq.txt  
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219 <400> SEQUENCE: 15  
 221 Asn Gly Gln Ala Gly Asp  
 222 1 5  
 225 <210> SEQ ID NO: 16  
 226 <211> LENGTH: 6  
 227 <212> TYPE: PRT  
 228 <213> ORGANISM: Artificial  
 230 <220> FEATURE:  
 231 <223> OTHER INFORMATION: Mutant of classic IBDV  
 233 <400> SEQUENCE: 16  
 235 Asn Gly Gln Ala Gly Glu  
 236 1 5  
 239 <210> SEQ ID NO: 17  
 240 <211> LENGTH: 6  
 241 <212> TYPE: PRT  
 242 <213> ORGANISM: Artificial  
 244 <220> FEATURE:  
 245 <223> OTHER INFORMATION: Mutant of classic IBDV  
 247 <400> SEQUENCE: 17  
 249 Asn Gly Gln Glu Gly Asp  
 250 1 5  
 253 <210> SEQ ID NO: 18  
 254 <211> LENGTH: 6  
 255 <212> TYPE: PRT  
 256 <213> ORGANISM: Artificial  
 258 <220> FEATURE:  
 259 <223> OTHER INFORMATION: Mutant of classic IBDV  
 261 <400> SEQUENCE: 18  
 263 Asn Gly Gln Glu Gly Glu  
 264 1 5  
 267 <210> SEQ ID NO: 19  
 268 <211> LENGTH: 31  
 269 <212> TYPE: PRT  
 270 <213> ORGANISM: Infectious bursal disease virus  
 272 <400> SEQUENCE: 19  
 274 Ser Asp Arg Pro Arg Val Tyr Thr Ile Thr Ala Ala Asp Asp Tyr Gln  
 275 1 5 10 15  
 278 Phe Ser Ser Gln Tyr Gln Pro Gly Gly Val Thr Ile Thr Leu Phe  
 279 20 25 30  
 282 <210> SEQ ID NO: 20  
 283 <211> LENGTH: 45  
 284 <212> TYPE: DNA  
 285 <213> ORGANISM: Artificial  
 287 <220> FEATURE:  
 288 <223> OTHER INFORMATION: oligonucleotide for site-directed mutagenesis  
 290 <400> SEQUENCE: 20  
 291 gaccatgaca tctgatcccc tgcctgaccg tcactttgg aggtc 45  
 294 <210> SEQ ID NO: 21  
 295 <211> LENGTH: 45

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Input Set : A:\2003-002-FF-US-sq.txt

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296 <212> TYPE: DNA  
297 <213> ORGANISM: Artificial  
299 <220> FEATURE:  
300 <223> OTHER INFORMATION: oligonucleotide for site-directed mutagenesis  
302 <400> SEQUENCE: 21  
303 gaccatgaca tctgttcccc tgcctgaccg tcactttgg aggtc 45  
306 <210> SEQ ID NO: 22  
307 <211> LENGTH: 45  
308 <212> TYPE: DNA  
309 <213> ORGANISM: Artificial  
311 <220> FEATURE:  
312 <223> OTHER INFORMATION: oligonucleotide for site-directed mutagenesis  
314 <400> SEQUENCE: 22  
315 gaccatgaca tctgatcccc ttccctgaccg tcactttgg aggtc 45  
318 <210> SEQ ID NO: 23  
319 <211> LENGTH: 45  
320 <212> TYPE: DNA  
321 <213> ORGANISM: Artificial  
323 <220> FEATURE:  
324 <223> OTHER INFORMATION: oligonucleotide for site-directed mutagenesis  
326 <400> SEQUENCE: 23  
327 gaccatgaca tctgttcccc ttccctgaccg tcactttgg aggtc 45  
330 <210> SEQ ID NO: 24  
331 <211> LENGTH: 45  
332 <212> TYPE: DNA  
333 <213> ORGANISM: Artificial  
335 <220> FEATURE:  
336 <223> OTHER INFORMATION: oligonucleotide for site-directed mutagenesis  
338 <400> SEQUENCE: 24  
339 gaccatgaca tctgttcccc tgcctgacca ccactttgg aggtc 45  
342 <210> SEQ ID NO: 25  
343 <211> LENGTH: 45  
344 <212> TYPE: DNA  
345 <213> ORGANISM: Artificial  
347 <220> FEATURE:  
348 <223> OTHER INFORMATION: oligonucleotide for site-directed mutagenesis  
350 <400> SEQUENCE: 25  
351 gaccatgaca tctgatcccc ttccctgacca ccactttgg aggtc 45  
354 <210> SEQ ID NO: 26  
355 <211> LENGTH: 45  
356 <212> TYPE: DNA  
357 <213> ORGANISM: Artificial  
359 <220> FEATURE:  
360 <223> OTHER INFORMATION: oligonucleotide for site-directed mutagenesis  
362 <400> SEQUENCE: 26  
363 gaccatgaca tctgttcccc ttccctgacca ccactttgg aggtc 45  
366 <210> SEQ ID NO: 27  
367 <211> LENGTH: 45  
368 <212> TYPE: DNA

RAW SEQUENCE LISTING ERROR SUMMARY                   DATE: 12/01/2004  
PATENT APPLICATION: US/10/809,176A                   TIME: 15:19:59

Input Set : A:\2003-002-FF-US-sq.txt  
Output Set: N:\CRF4\12012004\J809176A.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,20,21,22,23,24,25,26,27,28  
Seq#:29,30,31,32,33,34,35

**VERIFICATION SUMMARY**

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Input Set : A:\2003-002-FF-US-sq.txt

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L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date